

POZDNYAKOVA, T.I.. ordinator

Course and outcome of pregnancy and labor in case of Rh-negative
blood. Sbor. nauch. trud. Ivan. gos. med. inst. no. 28:262-266
' 63. (MIRA 19:1)

1. Iz kafedry akusherstva i ginekologii (zav. - kafedroy -
prof. Ye.K. Aleksandrov) Yaroslavskogo meditsinskogo instituta
(rektor - prof. N. Ya. Yarygin).

ACC NR: AP6031838

(N)

SOURCE CODE: UR/0129/66/000/007/0028/0033

AUTHOR: Petrovichev, N. P.; Barabanenkov, N. I.; Fomin, A. P.; Stroganov, G. B.;
Gracheva, A. P.; Pozdnyakova, T. G.; Spektor, Ya. I.

ORG: none

TITLE: Utilizing the kinetic plasticity of stainless steel to reduce the warping of work parts during their heat treatment

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 7, 1966, 28-33

TOPIC TAGS: stainless steel, metal deformation, plasticity, phase transition, stress relaxation

ABSTRACT: During its phase transformations steel displays higher plasticity, and this effect may be exploited to reduce warping, particularly in intricate large-sized work parts of high-strength stainless steel (0.11-0.16% C, $\leq 1.0\%$ Mn, 14-15.5% Cr, 4-5% Ni, 2.3-2.8% Mo, 0.06-0.1% N) whose structure, after a complete cycle of its heat treatment, consists of martensite, residual austenite and isolated carbides, and which tends to shrink 0.5% when quenched and expand 0.3% when subjected to subzero treatment. It is shown that the warping

UDC: 620.191.38:669.15-194:669.24'26'23

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ACC NR: AP6031838

of work parts made of steels of this kind can be reduced by means of: use of fastening attachments designed so that the shrinkage associated with phase transformations would proceed from thin to bulky sections of the work part, while expansion, by contrast, would proceed from bulky to thin sections; and oriented deformation designed to maximize residual deformation and hence also to maximize the degree of stress relaxation. Orig. art. has: 8 figures, 2 tables.

SUB CODE: 13, 11/ SUBM DATE: none/ ORIG REF: 006

Card 2/2

PCADNT 1000, 1000,

Use of human's plasma immunoglobulin method for analyzing the
N-terminal sequence of fibrin. Ukr. biokhim. zhur. 37 no.4:
483-492 1965. (MIRA 18:9)

1. Institut biokhimii AN UkrSSR, Kiev.

POZDNYAKOVA, T.M. [Pozdniakova, T.M.]; LOSEVA, A.L. [Losieva, A.L.]

Isolation of polypeptide chains of fibrin. Ukr. biokhim. zhur. 37
no.3:307-314 '65. (MIRA 18:7)

1. Institut biokhimii AN UkrSSR, Kiyev.

POZDNYAKOVA, T. N.: Master Med Sci (diss) -- "On diffuse urolithiasis and the surgical treatment of it". Tashkent, 1958. 16 pp (Tashkent State Med Inst), 230 copies (KL, No 2, 1959, 126)

YELIZAROVA, A. N.; POZDNYAKOVA, T. Ye.; AKHROM, A. A.

Chemistry of cyclopentenones. Report No. 5: Condensation of 3,5-dimethyl- Δ^2 - and 3,5-dimethyl- Δ^4 -cyclopentenones with vinyl acetate in the presence of catalysts. Izv. AN SSSR Otd. khim. nauk no.12:2175-2182 D '62. (MIRA 16:1)

1. Institut organicheskoy khimii im. N. D. Zelinskogo AN SSSR.

(Cyclopentenone) (Vinyl acetate)

YELIZAROVA, A. N.; POZDNYAKOVA, T. Ye.; AKHREM, A. A.

Chemistry of cyclopentenone. Report No. 4: Condensation of
3,5-dimethyl- Δ^2 - and Δ^4 -cyclopentenones with vinyl acetate.
Izv. AN SSSR Otd. khim. nauk no.12:2167-2175 D '62.
(MIRA 16:1)

1. Institut organicheskoy khimii im. N. D. Zelinskogo AN SSSR.

(Cyclopentenone) (Vinyl acetate)

YELIZAROVA, A. N.; POZDNYAKOVA, T. Ye.; AKHREM, A. A.

Chemistry of cyclopentenones. Report No. 6: Conversions of erythro- and threoisomers of 3,5-dimethyl-5- (α -acetoxyethyl)-cyclopentenones. Izv. AN SSSR. Otd. khim. nauk no.1: 129-136 '63. (MIRA 16:1)

1. Institut organicheskoy khimii im. N. D. Zelinskogo AN SSSR.

(Cyclopentenone) (Isomerization)

BYSTROV, V. F.; POZDNYAKOVA, T. Ye.; YELIZAROVA, A. N.; AKHREM, A. A.

Study of the structure of chemical compounds by nucleic magnetic resonance spectra. Report No. 2: Determination of the structure and conformation of some substituted cyclopentenones. Izv. AN SSSR. Otd. khim. nauk no.1:66-74 '63.
(MIRA 16:1)

1. Institut khimicheskoy fiziki AN SSSR i Institut organicheskoy khimii AN SSSR.

(Cyclopentenone---Spectra) (Chemical structure)

S/061/62/000/005/036/112
B151/B101

AUTHORS: Obolentsev, R. D., Bukharov, V. J., Mozdnyakova, T. Ye.,
Alalykina, L. A., Bikaio, L. A., Pototskaya, A. Ye.

TITLE: The synthesis of mono-substituted thiophanes

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 5, 1962, 263-264,
abstract 92R236 (Sb. "Khimiya sera- i azotorgan. soedineniy,
soedyneniya v neftyah i nefteproduktakh". v. 3. Ufa,
1960, 9-17)

TEXT: A general method is put forward for the synthesis of α -substituted
thiophanes, starting from alkylfurylcarbinols, according to the following
scheme;

$RCH(OH)CH=CHCHO$ (I) $\rightarrow RCO-CH_2CH_2COOC_2H_5$ (II) $\rightarrow RCH(OH)CH_2CH_2CH_2OH$ (III) $\rightarrow$
 $\rightarrow RCHBrCH_2CH_2CH_2Br$ (IV) $\rightarrow RCHCH_2CH_2CH_2S$ (V). I is converted by heating
for 2.5 - 3 hrs. in abs. C_2H_5OH containing 0.3 - 0.5% HCl gas (in the
Card 1/6

The synthesis of mono-substituted ...

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B151/B101

case of high mol. wt. R the heating is carried out for 0.5 hrs, 4-9% HCl gas) with yields of 35 - 60%, into etnyl esters II (IIa-f) (here and later are given the substance, R, b. p. in °C/mmHg, n_D^{20} , d_4^{20}): IIa, $\text{CH}_3\text{C}(\text{CH}_3)_2\text{CH}_2$, 89-91/4, 1.4346, 0.9593; b, $\text{CH}_3\text{CH}_2\text{C}(\text{CH}_3)_2\text{CH}_2$, 104-105/4, 1.4410, 0.9562; c, $\text{CH}_3(\text{CH}_2)_5$, 113-115/2, 1.4370, 0.9440; d, $\text{CH}_3(\text{CH}_2)_7$, 131-132/2, 1.4403, 0.9317; e, $\text{CH}_3(\text{CH}_2)_8$, 145-146/3, 1.4430, 0.9256; f, $\text{CH}_3-(\text{CH}_2)_{10}$, -, m. p. 25-27°C, -, -. The II obtained are reduced with a two-fold excess of LiAlH_4 to the corresponding III (IIIa-i): IIIa, $\text{CH}_3\text{C}(\text{CH}_3)_2\text{CH}_2$, 112-114/3, 1.4545, 0.9319; b, $\text{CH}_3\text{CH}_2\text{C}(\text{CH}_3)_2\text{CH}_2$, 123-124/3, 1.4637, 0.9373; c, $\text{CH}_3(\text{CH}_2)_5$, 139-140/3.5, 1.4558, 0.9249; d, $\text{CH}_3(\text{CH}_2)_7$, -, m. p. 46-46.5°C, -, -; e, $\text{CH}_3(\text{CH}_2)_8$, -, m. p. 41.5-42°C, -, -; f, $\text{CH}_3(\text{CH}_2)_{10}$, -, m. p. 59-60°C, -, -; g, 2- C_{10}H_7 , -, m. p. 88-89°C, -, -; h, 4-diphenyl, -, m. p. 80°C, -, -; i, cyclo- $\text{C}_6\text{H}_{11}\text{CH}_2$, -, m. p. 59.5-60.0°C, Card 2/6

J/081/62/000/005/038/112
B151/B101

The synthesis of mono-substituted ...

-, -. The III glycols are dissolved in glacial CH_3COOH and the solution saturated with dry HBr at $100-120^\circ\text{C}$ and then fractionated, when the IV (IVa-i) are obtained; IVa, $\text{CH}_3\text{C}(\text{CH}_3)_2\text{CH}_2$, 125-126/15, 1.4688, 1.5648; b, $\text{CH}_3\text{CH}_2\text{C}(\text{CH}_3)_2\text{CH}_2$, 99-102/2, 1.4962, 1.5623; c, $\text{CH}_3(\text{CH}_2)_3$, 122-123/3, 1.4240, 1.5607; d, $\text{CH}_3(\text{CH}_2)_7$, 157-159/2, 1.4902, 1.5976; e, $\text{CH}_3(\text{CH}_2)_6$, 157-159/2.5, 1.4865, 1.2633; f, $\text{CH}_3(\text{CH}_2)_{10}$, 160-162/3, 1.4863, 1.2201; g, $2-\text{C}_{10}\text{H}_7$, -, m. p. $54-56^\circ\text{C}$, -, -; h, 4'-diphenyl, -, m. p. $64-65^\circ\text{C}$, -, -; i, cyclo- $\text{C}_6\text{H}_{11}\text{CH}_2$, 152-153/1.5, 1.5202, 1.4310. On boiling the dibromides IV for 3 hrs with a 50% water-alcohol solution of Na_2S there are formed, with yields of 80-90%, the V (Va-k): Va, $\text{CH}_3\text{C}(\text{CH}_3)_2\text{CH}_2$, 202-203/760, 1.4612, 0.9155; b, $\text{CH}_3\text{CH}_2\text{C}(\text{CH}_3)_2\text{CH}_2$, 107-108/17, 1.4862, 0.9272; c, $\text{CH}_3(\text{CH}_2)_5$, 240-241/760, 1.4823, 0.9095; d, $\text{CH}_3(\text{CH}_2)_7$, 275.5 - 276/760, 1.4793, 0.8992; e, $\text{CH}_3(\text{CH}_2)_8$, 292-293/760, 1.4792, 0.8940;

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The synthesis of mono-substituted ...

f, $\text{CH}_3(\text{CH}_2)_{10}$, 326.5 - 327/760, 1.4786, 0.8936, d, $2\text{-C}_{10}\text{H}_7$, m. p. $74-75^\circ\text{C}$,
-, -, -; h, 4'-diphenyl, m. p. $59-60^\circ$, -, -, -; i, cyclo- $\text{C}_6\text{H}_{11}-\text{CH}_2$,
86-87/2, 1.5135, 0.9811; k, $\text{C}_6\text{H}_5-\text{CH}_2$, 109-110/2, 1.5710, 1.0577. With the
method given it was not possible to obtain V_k since the original phenyl-
furfurylcarbinol on boiling with an alcohol solution of HCl resinifies and
the corresponding dibromide was obtained in another way. (R. Paul, Compt.
rend., 1936, 202, 1444). The glycols IIlg and IIIh were obtained by the
reductions of the corresponding β -(2-naphthoyl) and β -(4-biphenyloyl)-
propionic acids, synthesized by the condensation of the corresponding
hydrocarbons with the succinic anhydride using the Friedel-Crafts reaction.
The β -alkylthiophanes were obtained by another method:
 $\text{H}_5\text{C}_2\text{COCH}_2\text{CH}(\text{COOC}_2\text{H}_5)_2$ (VI) $\rightarrow$ $\text{H}_5\text{C}_2\text{COCH}_2\text{CH}(\text{COOC}_2\text{H}_5)_2$ (VII) $\rightarrow$
 $\rightarrow \text{RCH}(\text{COOC}_2\text{H}_5)\text{CH}_2\text{COOC}_2\text{H}_5$ (VIII) $\rightarrow$ $\text{RCH}(\text{CH}_2\text{OH})\text{CH}_2\text{CH}_2\text{CH}_2\text{OH}$ (IX) $\rightarrow$
 $\rightarrow \text{RCH}(\text{CH}_2\text{Br})\text{CH}_2\text{CH}_2\text{Br}$ (X) $\rightarrow$ $\text{RCH}(\text{CH}_2\text{SCH}_2)_2$ (XI). The Na derivatives of VI
are condensed in the usual way with halogen alkyls and yields of 80-90%
of VII are obtained. These are saponified, decarboxylated and esterified
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The synthesis of mono-substituted ...

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B151/3101

when VIII (VIIIa-d) are obtained in a yield of 70-90%. VIIIa, $(\text{CH}_3)_2\text{CHCH}_2$, 96-98/2, 1.4260, 0.9710; b, $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2$, 101-103/2, 1.4300, 0.9633; c, $\text{CH}_3(\text{CH}_2)_4$, 96-97/1.5, 1.4310, 0.9625; d, $\text{CH}_3(\text{CH}_2)_7$, 130-131/1, 1.4365, 0.9453. VIII is reduced with LiAlH_4 (1.25 moles) and (IXa-d) are distilled off: IXa, $(\text{CH}_3)_2\text{CHCH}_2$, 118-120/1.5, 1.4525, 0.9596; b, $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2$, 129-130/2.5, 1.4550, 0.9289; c, $\text{CH}_3(\text{CH}_2)_4$, 132-134/3, 1.4560, 0.9299; d, $\text{CH}_3(\text{CH}_2)_7$, 161-162/2, 1.4590, 0.9137. From the IX obtained by the method described above the X (Xa-d) are obtained: Xa, $(\text{CH}_3)_2\text{CHCH}_2$, 75-76/1.5, 1.4983, 1.4731; b, $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2$, 102-103/2.5, 1.4975, 1.4205; c, $\text{CH}_3(\text{CH}_2)_4$, 114-116/3, 1.4975, 1.4144; d, $\text{CH}_3(\text{CH}_2)_7$, 128-129/1, 1.4910, 1.3078. The X are converted in the usual way into XI (XIa-d); XIa $(\text{CH}_3)_2\text{CHCH}_2$, 200-201, 1.4830, 0.9216; b, $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2$, 221.5-222, 1.4824, 0.9168; c, $\text{CH}_3(\text{CH}_2)_4$, 229.5-230, 1.4842, 0.9164; d, $\text{CH}_3(\text{CH}_2)_7$, 282.5-283, 1.4808, 0.9057. The yields in XI were 84-93%
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The synthesis of mono-substituted ...

S/081/62/000/005/038/112
B151/B101

based on X and 30-40% based on VI. [Abstracter's note: Complete translation.]

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S/062/63/000/001/009/025
B101/B186

AUTHORS: Bystrov, V. F., Pozdnyakova, T. Ye., Yelizarova, A. N.,
and Akhrem, A. A.

TITLE: Structural analysis of chemical compounds based on their
nuclear magnetic resonance spectra. Communication 2.
Determination of the structure and conformation of some
substituted cyclopentenones

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye
khimicheskikh nauk, no. 1, 1963, 66-74

TEXT: The synthesis of the erythro isomer IA and threo isomer IB of 3,5-
dimethyl-5-(α -acetoxyethyl)- Δ^2 -cyclopentenone by condensation of 3,5-di-
methyl- Δ^2 -cyclopentenone with vinyl acetate has already been described
(Izv. AN SSSR, Otd. khim. n., in press). That reaction also produced the
erythro and threo isomer of 3,5-dimethyl-5-(α -acetoxyethyl)- Δ^3 -cyclo-
pentenone (IIA, IIB) and the 2-ethylidene-3,5-dimethyl- Δ^4 -cyclopentenone
(III). By analyzing the high resolution proton magnetic resonance (p.m.r.)
spectra it was possible to define the structure and conformation of IA,

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Structural analysis of chemical ...

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B101/B166

IB and III as well as of 3,5-dimethyl- Δ^2 -cyclopentenone (IV), 3,5-dimethyl- Δ^4 -cyclopentenone (V), 3,5-dimethyl-5-vinyl- Δ^2 -cyclopentenone (VI), 3,5-dimethyl-5-(α -acetoxyethyl)-cyclopentanone (VIIA, VIIB), 3,5-dimethyl-5-(α -hydroxyethyl)- Δ^2 -cyclopentenone (VIII A, VIII B), and 3,5-dimethyl-5-(α -hydroxyethyl)-cyclopentanone (IXA) which were synthesized for comparison. The p.m.r. spectra of 0.2-0.5 M solutions in CCl_4 were taken at room temperature and at 20.529 Mc. Hexamethyl disiloxane was used as internal standard. The spectra were analyzed according to J. T. Arnold and M. E. Packard (J. Chem. Phys., 19, 1608 (1951)). The slight difference between the spectra of IA and IB led to the conclusion that there is no structural difference but only a different steric orientation of the groups; this was confirmed by converting IA and IB into VI. Equally, IXA was obtained by hydrogenation from VIIIA as well as from VIIIB. Conclusions: The isomerism is based on a different position of the substituents at the asymmetric C_6 atom. Two steric series are possible with 3 conformations each (Fig. 6). One of these conformations must outnumber the two other. The IR spectra of VIIIA, VIIIB and IXA showed that an intramolecular H bond exists at the hydroxy group of VIIIA and IXA, which is absent in VIIIB.

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S/C62/63/000/001/009/C25
B101/B166

Hence, the compounds IA, VIIA, VIIIA and IXA have the structure a with predominant conformation 3a, the isomer compounds IB, VIIB and VIIIB have the structure b with predominant conformation 3b. The structure of III was confirmed by the p.m.r. spectrum. The p.m.r. spectra of IIA and IIB were not taken, since these isomers could not be separated. There are 7 figures and 1 table.

ASSOCIATION: Institut khimicheskoy fiziki Akademii nauk SSSR (Institute of Chemical Physics of the Academy of Sciences USSR);
Institut organicheskoy khimii Akademii nauk SSSR
(Institute of Organic Chemistry of the Academy of Sciences USSR)

SUBMITTED: June 18, 1962

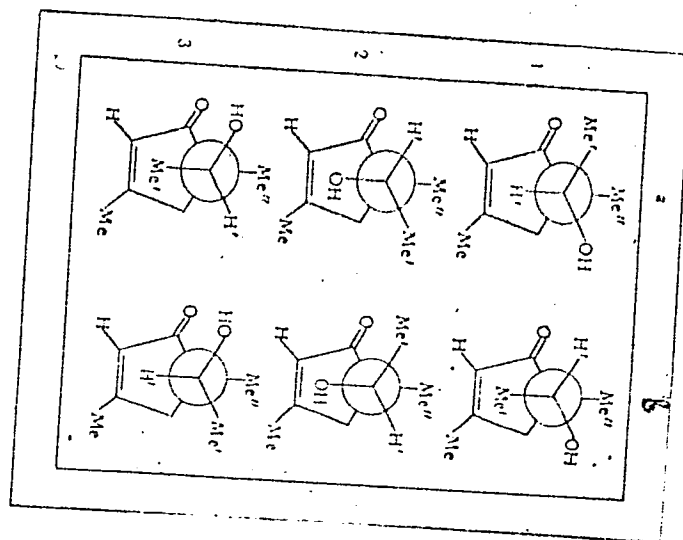
Fig. 6. Conformations of the rotation isomers of 3,4-dimethyl-(α -hydroxy-ethyl)- Δ^2 -cyclopentenone (VIIIA and VIIIB).

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Fig. 6



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S/062/63/000/001/015/025
B101/B186

AUTHORS: Yelizarova, A. N., Pozdnyakova, T. Ye., and Akhrem, A. A.

TITLE: Chemistry of cyclopentenones. Communication 6. Conversions of erythro- and threo-isomers of 3,5-dimethyl-5-(α -acetoxyethyl)-cyclopentenones

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye khimicheskikh nauk, no. 1, 1963, 129 - 136

TEXT: To clarify the configuration of erythro-3,5-dimethyl-5-(α -acetoxyethyl)- Δ^2 -cyclopentenone (IA), m.p. 69-70°C, and its threo-isomer (IB), m.p. 51-52°C, and of the analogous compounds (IIA, IIB) of Δ^3 -cyclopentenone, the following reactions were carried out: Hydrolysis of IA and IB in 10% HCl at 100°C yielded the corresponding 3,5-dimethyl-5-(α -hydroxyethyl)- Δ^2 -cyclopentenones IIIA (yield 83%, b.p. 92-93°C/5mm Hg, crystallizes when standing, m.p. 40-41°C) and IIIB (yield 87%, m.p. 72-73°C); IB hydrolyzed more readily than IA. Hydrolysis of IIA, IIB yielded the corresponding α -hydroxyethyl derivatives IVA, IVB. IA and IB did not hydrolyze in 20%
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Chemistry of cyclopentenones. ...

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NaOH at 100°C; only small amounts of IIA, IIB were obtained in 40% NaOH; the initial 3,5-dimethyl- Δ^2 -cyclopentenone formed in 60% yield. Hydrogenation of IA or IIA with platinum catalyst yielded 3,5-dimethyl-5-(α -acetoxyethyl)-cyclopentanone (VIA), m.p. 41°C; likewise, the corresponding epimer VIB was formed from IB or IIB, yield 73%, b.p. 84-85°C/4 mm Hg, n_D^{20} 1.4446, d_4^{20} 1.0060. Hydrogenation of IIIA, IIIB, IVA, and IVB only yielded 3,5-dimethyl-5-(α -hydroxyethyl)-cyclopentanone (VA), yield 81%, b.p. 88-90°C/6 mm Hg, n_D^{20} 1.4604, d_4^{20} 0.9860, which was formed also by acidolysis of VIA, this indicating epimerization of the threo-ketone alcohol IIIB. In oxidation of IIIA and IIIB with CrO_3 and acetic acid, one of the two centers of asymmetry disappears and only 3,5-dimethyl-5-acetyl- Δ^2 -cyclopentanone (VII) is formed, yield 80%, b.p. 92-93°C/5 mm Hg, n_D^{20} 1.4877, d_4^{20} 1.0471. Such isomerization also occurs in the formation of 2,4-dinitrophenyl hydrazone (2,4-DNPH) of IB and IIIB. Both IA and IIIA, and IB and IIIB, form the same 2,4-DNPH, m.p. 158°C, which, saponified with HCl in acetone, gives

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IIIA. Likewise, VIB and VA form only one type of 2,4-DNPH, m.p. 147.5°C, which forms VA by saponification. An isomerization similar to the reaction described by B. Ellis (Mrs.) et al. (J. Chem. Soc., 1961, 4111) is assumed for the asymmetric C₆. The higher stability of IA, as compared with IB, indicates that the compounds of the A series have erythro-, and the compounds of the B series threo-configuration. Reduction of VIA with LiAlH₄ in ether yielded a chromatographically separable mixture of the two epimers of 3,5-dimethyl-5-(α -hydroxyethyl)-cyclopentan-1-ol, yield 90%, b.p. 107-109°C/4 mm Hg, n_D^{20} 1.4708, d_4^{20} 0.9946, which was not further investigated. There are 3 figures.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry imeni N. D. Zelinsky of the Academy of Sciences USSR)

SUBMITTED: June 18, 1962

Card 3/3

BUKILROV, V.G.; POZDNYAKOVA, T.Ye.

Synthesis of saturated primary-secondary -glycols. Izv. AN
SSSR. Otd. khim. nauk no. 1:135-140 Ja '61. (TMA 14:2)

1. Bashkirskiy filial AN SSSR.
(Glycols)

BUKHAROV, V.G.; POZDNYAKOVA, T.Ye.

Conditions of the isomeric conversion of alkyl-(aryl)
furylcarbinols. Izv.AN SSSR.Otd.khim.nauk no.6:1108-1113
J1 '60. (MIRA 13:7)

1. Otdel khimii Bashkirskogo filiala AN SSSR.
(Isomerization) (Furfuryl alcohol)

OBOLENTSEV, R.D.; BUKHAROV, V.G.; POZDNYAKOVA, T.Ye.; ALALYKINA, L.A.;
BAKALO, L.A.; POTOTSKAYA, A.Ye.

Synthesis of monosubstituted thiophanes. Khim.sera-i azotorg.soed.
~~soed.~~ neft.i nefteprod. 3:9-17 '60. (MIRA 14:6)
(Thiophene)

POZDNYAKOV, V.A.; KALININA, N.S.

Obtaining of large quantities of anti-Rhesus serum. probl. reserch.
i perel. krovi no.3442-44 '65.

(MIRA 18:10)

1. Odesskaya oblastnaya stantsiya perelivaniya krovi (direktor -
V.A.Pozdnyakov).

ZAYTSEVA, M.G.; POZDNYAKOVA, V.A.

Some characteristics of soil nutrition in plants of the Far North.
Dokl.AN SSSR 138 no.5:1223-1226 Je '61. (MIRA 14:6)

1. Institut fiziologii rasteniy im. K.A.Timiryazeva AN SSSR.
Predstavleno akademikom A.L.Kursanovym.
(Murmansk Province—Wheat—Fertilizers and manures)

ZAYTSEVA, M.G.; SELENKO, D.M.; POLODYAKOVA, V.A.

Metabolism in wheat in connection with nutritional conditions in
the Far North. Trudy Lab. evol. i ekol. fiz. no.4:197-162 '62.
(MIRA 18:3)

KATS, A. L.; BEDRINA, V. S.; POZDNYAKOVA, V. A.

Use of empirical influence functions to forecast changes in pressure for 3 to 5 days from the resulting monotype macro-processes. Trudy TSIP no. 119~~23~~-23 '62. (MIRA 16:1)

(Atmospheric pressure)

ZAYTSEVA, M.G.; SEDENKO, D.M.; POZDNYAKOVA, V.A.

Effect of phosphorus and magnesium on the respiration of plants
cultivated in the Kola Peninsula. Fiziol. rast. 9 no.1:98-105
'62. (MIRA 15:3)

1. K.A.Timiriachev Institute of Plant Physiology, U.S.S.R. Academy
of Sciences, Moscow.

(Kola Peninsula--Plants--Respiration)

(Plants, Effect of phosphorus on)

(Plants, Effect of magnesium on)

Poz Dny AKOVA, U.A.

3(7) PHASE I B.M. EVALUATION 504/5031

Moscow, Tsentrallyy Institut prognozov

Voprosy dolgoletnykh prognozov (Problems in long-range forecasting)
Moscow, Gidrometizdat (old.) 1986. 184 p. (Series: Tsai. Trudy,
vyp. 75) 1,100 copies printed.

Sponsoring Agency: USSR, Glavnyye upravleniye gidrometeorologicheskoy
sluzhby.

Ed.: (title page): V.M. Kurganovskiy; Ed. (inside book): V.I. Tarubimovskiy
Tech. Ed.: I.M. Zarkh

NOTE: This issue of the Institute's Transactions is intended for meteorological
and hydrographic specialists working in the field of long-range weather fore-
casting.

CONTENTS: This collection of articles deals with aspects of extended weather
forecasting. Individual articles discuss: synoptic conditions of wind
regimes; favorable to shipping along the Northern Sea Route (Soviet Arctic
Sea); synoptic conditions underlying a continuous ice cover in various parts
of the Sea of Azov; a method for compiling daily schematic 500-mb contour
maps (ZKOO) for 3 days by utilizing an equation of the conservation of vorticity
in a temperature regime; a method for the advance extrapolation of
the basic field for periods of 24, 48, and 72 hours; the determination of
definite relationships for forecasting air temperature for a natural synoptic
period. The results of actual tests in a series of investigations in extended
forecasting are cited. References accompany each article.

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POZDNYAKOVA, V.T.

Application of microcrystalloscopic analysis in detection of certain substances deriving from acid solutions. Aptech. delo, Moskva 2 no. 1:32-40 Jan-Feb 1953. (CLML 24:1)

1. Candidate Pharmaceutic Sciences. 2. Of the Pharmaceutic Faculty of L'vov Medical Institute of the Ministry of Public Health Ukrainian SSR.

POZDNYAKOVA, V. T.
 Detection of colchicine in corpse material. V. T. Pozdnyakova (Lvov Med. Inst., Ministry Health, U.S.S.R.). *Aptekhnos Delo* 2, No. 3, 25-6(1953).—The presence of colchicine in tissues of the intestine, stomach, liver, lungs, spleen, kidneys, and in vomitus was effected after extrn. with dil. acid and alc. Exts. were tested by treatment with phosphomolybdic acid, KI₂-soln., concd. H₂SO₄, concd. HNO₃, by the Prussian blue test, and crystallographically. Acidification of either the H₂O or of the alc. with oxalic acid proved most suitable and the acidified H₂O exts. proved most sensitive and required less time. B.S. L.

POZDNYA...
Microcrystalline reaction for identification of salsoline.
V. T. Pozdnyakova (Lvov Med. Inst., Ministry of Health,
Ukr. S.S.R.). *Antichin Delo* 3, No. 5, 28-9 (1954). -- The 2
 reactions involving the use of FeCl₃ soln. or Br-H₂O given by
 the Soviet Pharmacopoeia for identification of salsoline are
 not specific. When a HCl soln. of salsoline is treated with a
 soln. of iodobismuthate, an amorphous ppt. is formed which
 becomes cryst. after 1-2 min. Under the microscope the
 ppt. appears as orange rosettes on a yellow background.
 After 30-40 min. the crystals increase in size without losing
 their structure. When a few grains of salsoline placed on a
 watch glass are wetted with 2-3 drops of Br-H₂O and the
 ppt. examd. at once under the microscope it appears as an
 aggregate of needles. After 10 min. the crystals dissolve.
 Fluorescence can also be used as method of identification
 since an aq. soln. of salsoline fluoresces strongly under ultra-
 violet rays.
 A. S. Mirkin

[Handwritten signature]

POZDNYAKOVA, V. T.

Med ✓ Use of picrolonic acid in microscopic detection of alkaloids. V. T. Pozdnyakova (State Med. Inst., Lvov). Ukrain. Khim. Zhur. 22, 531-5 (1956).--The reaction of picrolonic acid with arecoline, atropine, salsolidine, cotarnine, and strychnine are specific and suitable for identification of these alkaloids. The crystalloptical data of the picrolonates of these alkaloids are tabulated. M. Kosh

POZDNYAKOV, V.G.

Determination of the optimal signals processing time in a lateral search radar system in the presence of phase fluctuations. Radiotekhnika 20 no.8:72-77 Ag '65. (MIRA 18:8)

1. Byestvitel'nyy chlen Nauchno-tekhnicheskogo obshchestva radiotekhniki i elektrosvyazi imeni A.S. Popova.

POZDNYAKOVA, V.T.

Reinecke salt as a reagent for microcrystalloscopic detection of
alkaloids. Med.prom. 11 no.9:38-40 S '57. (MIRA 10:12)

1. Farmatssevticheskiy fakul'tet L'vovskogo meditsinskogo instituta.
(ALKALOIDS) (REINECKE ACID)

POZDNYAKOVA, V.T.

Styphnic acid as a reagent for microcrystalloscopic and crystallo-
optical detection of alkaloids. Ukr. khim. zhur. 23 no.6:777-783
'57. (MIRA 11:1)

L'vovskiy meditsinskiy institut, Kafedra sudebnoy i analiticheskoy
khimii.

(Styphnic acid) (Alkaloids) (Crystallochemistry)

PHASE I BOOK EXPLOITATION

SOV/4757

Pozdnyakova, Valentina Trofimovna

Mikrokristalloskopicheskiye reaktsii na alkaloidy (Microcrystalline Reactions of Alkaloids) Kiyev, Gosmedizdat UKrSSR, 1960. 162 p. 2,000 copies printed.

Ed.: M. N. Bushkova; Tech. Ed.: Ye. G. Lokhmatyy.

PURPOSE: This book is intended for chemists, analysts, and pharmacists.

COVERAGE: The book treats the identification of alkaloids by combined microcrystallographic and optical crystallographic methods. The material includes reactions of alkaloids verified by the authors, optimum conditions for carrying out individual reactions, and a description of the sensitivity of the reactions. The author proposes new reactions for alkaloids and presents optical crystallographic constants for all the reaction products described in the book. The new reactions include: production of chloroplatinates of salsoline, salsolidine, and harmine; bromaurates of pachycarpine, platyphilline, harmine, and salsolidine;

Card 1/10

Microcrystalline Reactions (Cont.)

SOV/4757

reineckates of salsoline and salsolidine; picrolonates of salsoline and salsolidine; nitranilates of arecoline and narceine; salsoline picrate and styphnate; salsoline reaction with bromine water and potassium iodobismuthate solution; arecoline reaction with helianthine, papaverine, and sodium cyanide solution; and strychnine reaction with sodium nitrate and potassium hydroxide. The optical crystallographic methods of V. B. Tatarskiy and V. S. Sobolev are described briefly and the works of G. V. Bokiya, O. M. Anshelos, and T. N. Burakova are cited. The micrographs were made by the author in cooperation with the photographer N. I. Sheshenin of the L'vovskiy meditsinskiy institut (L'vov Medical Institute). The author thanks Academician V. S. Sobolev and O. N. Gorbachevskaya, Docent of the LGU (L'vov State University). There are 158 references: 42 Soviet, 29 English, and 87 others.

~~Card 2/10~~

POZDNYAKOVA, V.T.

Study of alkaloid mixtures by microcrystallographic reactions.
Farmatsev. zhur. 15 no.6:30-37 '60. (MIRA 14:11)

1. L'vovskiy meditsinskiy institut.
(ALKALOIDS) (CRYSTALLOGRAPHY)

POZDNYAKOVA, V.T.

Microcrystalloscopic reactions to spherophysine, ephedrine,
theophylline, and berberine. Farmatsev. zhur. 16 no. 2:50-54
'61. (MIRA 14:4)

1. Kafedra sudovoi i analitichnoi meditsini L'vivs'kojo medichnogo.
(CRYSTALLOGRAPHY) (ALKALOIDS)

POZDNIYOV, V.P.

Effect of the solution concentration on the nature of the crystalline
precipitate in the polarographic analysis of alkaloids.

Ukr. Khim. Zh. 1961, 36, 1408-1409 '61.

(1961 14:1)

1. Khimicheskoye i meditsinskoye institut, Kazan'skiy
universitet, Kazan'skiy khimicheskoy khimii.

(alkaloids)

POZDNYAKOVA, V.T.

Microcrystalloscopic reaction and crystallooptical constants of
some organic substances. Farmatsev. zhur. 17 no.3:41-45 '62.
(MIRA 17:10)

1. L'vovskiy meditsinskiy institut.

POZDNYAKOV, V.T., kand. med. nauk

External secretory function of the pancreas in peptic ulcer.
Sovet. med. 26 no.5:8-13 My'63 (MIRA 17:1)

1. Iz kafedry propedevtiki vnutrennikh bolezney (zav. - prof.
A.M. Damin) pediatricheskogo fakul'teta II Moskovskogo medi-
tsinskogo instituta imeni N.I.Pirogova.

POZDNYAKOV, V.T., kand. med. nauk (Moskva)

Renal insufficiency and urinary syndrome in acute necrosis of
the pancreas and purulent pancreatitis. Vrach. delo no.1:
77-80 Ja'64 (MIRA 17:3)

1. Kafedra propedevтики vnutrennikh bolezney (zav. - prof.
A.M. Damir) pediatricheskogo fakul'teta II Moskovskogo medi-
tsinskogo instituta imeni Pirogova.

POZDNYAKOVA, V.T.; YEGOROVA, E.I.

Examination of biological material for pilocarpine. Sud. med.
eksper. 7 no.1:30-33 Ja-Mr-'64 (MIRA 17:4)

1. Kafedra sudebnoy khimii (zav. - prof. M.D. Shvaykova) I-go
Moskovskogo meditsinskogo instituta i kafedra sudebnoy khimii
(zav. - dotsent V.F. Kramarenko (L'vovskogo meditsinskogo insti-
tuta.

REVIYATSKAYA, A.F. [Revits'ka, A.P.]; POZDNYAZOVA, V.T.

Choline identification reactions and their use in the analysis of
drugs. Farmatsev. zhur. 19 no.6:28-31 '64. (MIRA 13:4)

1. L'vovskiy meditsinskiy institut.

POZDNYAKOVA, V.T.; NOVIKEVICH, A.M. [Novykevych, A.M.]

Microcrystalloscopic reactions to cordiamine and pteridine and
their utilization in the study of medicinal mixtures. Farmatsev.
zhur. 20 no.1:33-36 '65. (MIRA 18:10)

1. L'vovskiy meditsinskiy institut i apteka No.10 g. L'vova.

POZDNYAKOVA, V.T.; GOLITSIN, V.I.

Identification of benzazon with the aid of microcrystalloscopy
and crystal optics. Izv. Akad. Nauk SSSR Ser. Khim. Nauk 1965.

(MIRA 18 17)

1. L'vovskiy meditsinskii institut.

SEMENOV, A.P.; POZDNYAKOV, V.V.

Apparatus for studying friction and adhesion interaction of refractory materials. Zav. lab. 31 no.9:1147-1148 '65. (MIRA 18:10)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut mashinovedeniya.

OSTROVSKIY, I.I., inzh., red.; GRIGOROV, I.I., inzh., red.;
MURASHEV, A.G., inzh., red.; PECHURCHIK, S.A., inzh.,
red.; VEDENKIN, D.F., inzh., red.; KUDINOV, M.P., inzh.,
red.; YELISEYEVA, Ye.Ye., inzh., red.; PETRUNIN, I.S.,
inzh., red.; TURIANSKIY, M.A., inzh., red.; POZDNYAKOVA,
L.V., inzh., red.; KOKOV, K.V., inzh., red.

[Collections Nos. 5, 6, 14, 43 of standard district uniform
estimates for construction work] Sborniki No. 5, 6, 14, 43
edinykh raionnykh edinichnykh rastsenok na stroitel'nye
raboty. Moskva, Stroiizdat, 1965. 86 p. (MIRA 18:8)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po de-
lam stroitel'stva. 2. Gosstroy SSSR (for Ostrovskiy, Vedenkin,
Kudinov). 3. Nauchno-issledovatel'skiy institut ekonomiki
stroitel'stva Gosstroya SSSR (for Grigorov, Murashev, Petrunin,
Yeliseyeva, Turianskiy, Pozdnyakova). 4. Gosudarstvennyy insti-
tut po proyektirovaniyu predpriyatiy tsvetnoy metallurgii (for
Pechurchik). 5. Gosudarstvennyy projektnyy institut po proyekti-
rovaniyu predpriyatiy tekstil'noy promyshlennosti (for Kokov).

POZDNYAKOVA, Z.

PANFILOVA, P.; POZDNYAKOVA, Z.

Planning organizations should operate on a business accounting basis.
Fin.ssr 17 no.7:39-42 J1 '56. (MLRA 9:9)

(Architecture--Designs and plans)

ROZDVIAGNI, Z. N.

"Changes in the Capillaries During Botkin's Disease in Children." Published
Sci, Second Moscow Medical Inst, Moscow, 1955. (MB, No 2, Feb 55)

SO: Sum. No. 631, 26 Aug 55 - Survey of Scientific and Technical Dissertations
Defended at USSR Higher Educational Institutions (18)

POZDNYAKOVA, Z.N.

Capillary changes in Botkin's disease in children. *Pediatrics* no.5:
16-21 May '57. (MIRA 10:10)

1. Iz kafedry propedevtiki detskikh bolezney (zav. - prof. V.A.Vlasov)
- II Moskovskogo meditsinskogo instituta imeni I.V.Stalina.
(HEPATITIS, INFECTIOUS) (CAPILLARIES--DISEASES)

KOCHEREZHKIN, V.G.; POZDNYAKOVA, Z.V.

Achievements of biological science in the service of
agriculture. Izv. AN SSSR. Ser. biol. 28 no.1:126-133
Ja-F'63. (MIRA 16:8)

1. Otdeleniye biologicheskikh nauk AN SSSR.
(AGRICULTURAL RESEARCH)

POZDNYAKOVA, Z.N.

Difficulty in diagnosing a case of multiple congenital
abnormalities in an infant. Sov.med. 19 no.9:80-82 S '55.
(MLRA 8:12)

1. Iz grudnogo otdeleniya detskoy kliniki lechebnogo
fakul'teta II Moskovskogo meditsinskogo instituta imeni
Stalina (dir.-prof. N.I.Osinovskiy) na baze detskoy klini-
cheskoy bol'nitsy No.1 (glavnyy vrach--zasluzhennyy vrach
RSFSR Ye. V.Prokhorovich)

(ABNORMALITIES,
multiple, differ. diag.)

POZDNYAKOVA, Z.V.

Session of the Presidium of the Academy of Sciences of the
U.S.S.R. dedicated to the problem of present and future research
on the development of agricultural science and practical farming,
held on May 4, 1962. Izv.AN SSSR.Ser.biol. no.5:804-806 S-O '62.
(MIRA 15:10)

(AGRICULTURAL RESEARCH)

POZDNYAKOVA, Z.V.

Scientific session on harvest protection. Izv. AN SSSR. Ser. Biol.
no. 6:942-945 N-D '62. (MIRA 16:1)

(PLANTS, PROTECTION OF)

---POZDNYAKOVA, Z.V., kandidat sel'skokhozyaystvennykh nauk

Water cycle and metabolism of plants. Vest. AN SSSR 30
no.7:100-102 J1 '60. (MIRA 13:7)
(Plants--Physiology)

POZDNYAKOVA, Z.V.

In the Department of Biological Sciences (discussion of results of
coordinated meetings). Vest.AN SSSR 26 no.7:73-76 J1 '56.
(Biology) (MLRA 9:9)

POZDNYAKOVA, Z.Ye.; SULAVKO, L.A.

Extraction of antibiotics from mycelial masses. Med. prom. 14
no.5:38-41 My '60. (MIRA 13:9)

1. Institut po izyskaniyu novykh antibiotikov Akademii meditsin-
skikh nauk SSSR.

(ANTIBIOTICS)

FILIPPOS'YANTS, T.T.; POZDNYAKOVA, Z.Ye.; PARAMONOVA, Ye.M.

Use of diatomaceous earths in the process of filtration of
antibiotic culture liquids. Med. prom. 15 no.11:46-50 N '61.
(MIRA 15:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(ANTIBIOTICS)

1. POZDNYAYEV, K.
2. USSR (600)
4. Kaputikyan, Sil'va
7. "My own." Sil'va Kaputikyan. Reviewed by K. Pozdnyayev. Mol.kolkh. No. 1 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

POZDNYAYEV, K.

Tikhonov, Nikolai Semenovich, 1896-

Poetry of Nikolai Tikhonov. Mol. kolkh. 19 no. 5. '52.

Monthly List of Russian Accessions, Library of Congress, August, 1952. UNCLASSIFIED.

POZDNYAYEV, K.

Narovchatov, Sergei

"Soldiers of Freedom." Sergei Narovchatov. Reviewed by K. Pozdnyayev.
Mol. kolkh. 20 no. 2, 1953

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

copy: 400, 14.
LISOV, Ivan Ivanovich, master parashyutnogo sporta SSSR; POZDNYAYEV, K.I.,
redaktor; RUDIN, M.Z., podpolkovnik; MEDNIKOVA, A.N.,
tekhnicheskiy redaktor

[Winged infantry; stories, sketches, recollections] Krylataia
pekhota; rasskazy, ocherki, vospominaniia. Moskva, Voen.
izd-vo M-va obor. SSSR, 1956. 197 p. (MIRA 10:4)
(Parachutists)

BARSHEVSKIY, Vladimir Borisovich; POZDNYCHEV, A.V., redaktor; ZHURAVLEV,
A.S., tekhnicheskiy redaktor

[The helicopter in flight] Vertolet v polete. Moskva, Izd-vo Dosaaf,
1954. 85 p. (MLRA 8:4)
(Helicopters)

L 7056-66 EMT(d)/EWP(1) IJP(c) BB/GG

ACC NR: AP5026811

SOURCE CODE: UR/0286/65/000/01770092/0093

AUTHOR: Skripkin, A. Ya.; Pozdnyaov, V. A.

ORG: none

TITLE: A device for comparing binary numbers. Class 42, No. 17442

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 17, 1965, 92-93

TOPIC TAGS: binary number, computer component

ABSTRACT: This Author's Certificate introduces a device for comparing binary numbers, one of which is given in reverse code. The device is simplified by making the collector circuit and the coincidence circuit for like charges of the two numbers being compared in the form of a single divider made up of two-equal resistors. Each of these resistors is connected to the input for one of the numbers to be compared.

UDC: 681.142.07

Card 1/2

L 7038-66

ACC NR: AP5026811

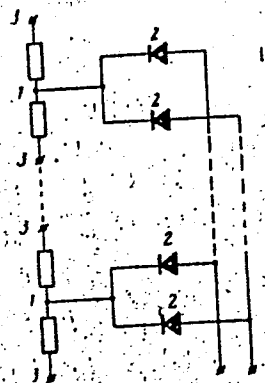


Fig. 1. 1--divider made up of resistors;
2--diodes; 3--inputs for the numbers to
be compared

SUB CODE: DP,EC/

SUBM DATE: 21Jan64/

ORIG REF: 000/

OTH REF: 000

Card 2/2

LEEDEV, V.I., prof., otv. red.; MORACHEVSKIY, A.G., dots., otv. red.; PROKHOROVA, M.I., prof., otv. red.; TRUTNEV, A.G., prof., otv. red.; POZDYSHEVA, V.A., red.; PETROVICHEVA, O.L., red.; MATVEYEVA, V.V., red.; SKOKYNINA, N.P., red.

[Chemistry in the natural sciences] Khimiia v estestvennykh naukakh. Leningrad, Izd-vo Leningr. univ., 1965.
216 p. (MIRA 18:9)

1. Leningrad. Universitet.

DMITRIYEV, F.D., doktor tekhnicheskikh nauk; STRELETSKIY, N.S., redaktor;
POZDNYEV, A.I., inzhener, nauchnyy redaktor.

[Collapse of engineering structures; historical and technical studies] Krusheniia inzhenernykh sooruzhenii; istoriko-tekhnicheskii ocherki. Pod red. N.S.Streletskogo. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1953. 187 p. (MLBA 7:4)

1. Chlen-korrespondent Akademii nauk SSSR (for Streletskiy).
(Building, Iron and steel) (Hydraulic engineering)

POEDMISTEV, A.

Operations of a reconnaissance group. No 3.

Tankist, No 12, 1968.

BLYUM, Mikhail Nikolayevich; POZDNYSHYEV, A.V., redaktor; KARYAKINA, M.S.
tekhnicheskij redaktor.

[Firearms for sport] Sportivnoe oruzhie. Moskva, Izd-vo Dosaaf,
1954, 119 p. (MLRA 8:8)
(Firearms)

YURCHUK, Sergey Prokof'yevich; POZDNYSHCHEV, A.V., redaktor; MUNTIAN, T.P.,
tekhnicheskiiy redaktor

[Taking care of weapons] Beregi oruzhie. Moskva, Izd-vo DOSAAF,
1955. 45 p. (MLRA 9:2)
(Firearms--Maintenance and repair)

LUGOVOY, P.I.; POZDNYSHV, A.V., redaktor; KARYAKINA, M.S., tekhnicheskii
redaktor.

[Pneumatic weapons] Pnevmaticheskoe oruzhie. Moskva, Izd-vo DOSAAF,
1955. 86 p. (Firearms) (MLRA 9:5)

VINOKUROV, A.D.; NOVITSKIY, B.Z.; POZDNYSHEV, A.V., redaktor; ANDRIANOV,
B.I., tekhnicheskii redaktor

[Soviet gliding] Sovetskii planerizm. Moskva, Izd-vo Dossaf, 1955.
140 p. (MLRA 8:10)
(Gliding(Aeronautics))

POZDNYSHEV, A.V.

KUSTOV, A.F., general-mayor, sostavitel'; LYKOV, F.I., polkovnik, sostavitel'; POZDNYSHEV, A.V., redaktor; ANDRIANOV, B.I., tekhnicheskii redaktor.

[Principles of military science; manual for the All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]
Osnovy voennogo dela; posobie dlia organizatsii Dosaaf. Izd. 2-oe, ispr. i dop. Moskva, Izd-vo Dosaaf, 1955. 342 p. (MLRA 8:11)

1. Vsesoyuznoye dobrovol'noye obshchestvo sodeystviya armii, aviatsii i flotu.

(Military art and science)

PEREZHKO, G.I. geroy Sovetskogo Soyuza; POZDNYSHEV, A.V., red.; MUNTIAN,
T.P., tekhn. red.

[Soviet tank troops in battles for the homeland] Sovetskie tankisty
v boiakh za rodimu. Moskva, Izd-vo DOSAAF, 1955. 62 p. (MIRA 11:7)
(Tanks warfare) (World War 1939-1945—Campaigns)

USSR/General and Special Zoology. Insects

P-2

Abs Jour : Z. zhurn. zool., 1957, 1, 6-8

Author : Zgurskaya G., Pordnyshov P.A.
Inst : Rostov na/Donu State Pedagogical Institute.
Title : The Reaction of the *Eurygaster integriceps* to the
Odors of Various Substances Under Laboratory
Conditions.

Orig Pub : Sb. stud. nauchn. rabot. Rostovsk.-na/D. gos. univ.
1957, No 1, (22), 127-134

Abstract : According to experimental data the odor of formic
acid had a negative (repulsive) effect on the
Eurygaster integriceps in 85% of the cases, while
in 51.2% of the cases the odor of ammonia had a
positive (attracting) effect.

Cord : 1/1

BIDULYA, P.N., PRZHIBYL, I., TELIS, M.Ya., FOKIN, G.F., SOSNENKO, M.N.,
POZDNYISHEV, V.M., SOROKIN, A.I.

"Special methods of casting" by S. IA. Golovin. Reviewed by
P.N. Bidulia and others. Lit. proizv. no.6:3 of cover Je '60.
(MIRA 13:8)

(Founding)
(Golovin, IA.)

RADCHENKO, S.I.; KONCHALOV, I.N.; POZDOVA, I.M.

Gold resistance of corn in the Karelian Isthmus. Trudy Bot. inst. Ser. 4
no. 17: 53-72 '64. (MIRA 18:1)

ACC NR: AP7003192

SOURCE CODE: UR/0213/66/006/006/1059/1069

AUTHOR: Belyayev, B. N.; Pozdynin, V. D. (*Leningrad*)
(*Leningrad*)

ORG: none

TITLE: An acoustic method for measuring the distance between irregularities on the ocean bottom.

SOURCE: Okeanologiya, v. 6, no. 6, 1966, 1059-1069

TOPIC TAGS: oceanography, ~~underwater explosion~~, ~~echo sounding~~, underwater acoustics, *ocean current*, *ocean acoustics*, *acoustic measurement*

ABSTRACT: Various statistical characteristics of sea currents are considered and the possibility of their use in analysing variations in currents in space and time are discussed. It is shown that the cross-correlation functions can be used to obtain information about the degree of interrelation between the parameters of sea currents, both at two and several points in space. The main premises of the article are illustrated by examples based on the results of simultaneous 7-day current measurements made at three buoy stations closely spaced in the ocean and at depths of 25, 75, 150, and 250 m. Some problems are pointed out connected with the use of multidimensional statistical characteristics, which require further study. Orig. art. has: 3

Card 1/2

UDC: 313.551.465.5(26)

ACC NR: AP7003192

figures and 22 formulas.

SUB CODE: 08,10/ SUBM DATE: 17Jun65/ ORIG REF: 005

Card 2/2

POZDYSHEV, B.A.

PRIKHOTKO, A.F.

24(7)

p 3

PHASE I BOOK EXPLOITATION SOV/1365

L'vov. Universytet

Materialy X Vsesoyuznogo soveshchaniya po spektroskopii. t. 1: Molekulyarnaya spektroskopiya (Papers of the 10th All-Union Conference on Spectroscopy. Vol. 1: Molecular Spectroscopy) [L'vov] Izd-vo L'vovskogo univ-ta, 1957. 499 p. 4,000 copies printed. (Series: Itsi: Fizichnyy sbirnyk, vyp. 3/8/)

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Pentlin, Yu. A., V.M. Tatevskiy, and B.A. Pozdyshev. Study of Rotational Isomerism by Means of Spectroscopy

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1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
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The Centrifugal Casting of Billets for Seamless Steel Tubes. I. Pozdyshev, K. Tavetnenko and B. Furs. (Stal, 1938, No. 1, pp. 44-52). (In Russian). The centrifugal casting of seamless steel tube billets offers a number of advantages. The authors describe experiments on the industrial scale on the production by this method of plain carbon and heat-resisting steel tubes. A centrifugal casting machine, designed and constructed in Russia, was used for these experiments. Full details of steel composition, casting temperatures, and other conditions of casting, method of rolling and the mechanical properties and microstructure of both the billets and the rolled tubes are given. Under suitable conditions, the results obtained were very satisfactory.																																																			
ASB-ILA METALLURGICAL LITERATURE CLASSIFICATION																																																			
1ST AND 2ND ORDERS																																																			

PODOLSKY, I. M.

Podolsky, I. M. "A stable bimetallic sheet", (The technology of casting and rolling),
Trudy Tekhn. nauch.-issled. in-ta Chernoy Metally 11, Iss 1, 194, . 7-12.

SS: U-2888, 12 Feb. 53, (Letopis' Zhurnal Inzh Statoy, No. 1, 194).

RUSANOV, A.I., doktor khim. nauk, otv. red.; LOZHYANAYA, V.S.,
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(MIRA 16:2)

1. Leningrad. Universitet.

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Stuffing a fish. Biol. v shkole no.5:83-84 S-O '61. (MIRA 14:9)

1. Rostovskiy pedagogicheskiy institut.
(Taxidermy)

Pozdyshev, V. A.

USSR/Physical Chemistry - Kinetics, Combustion, Explosions, Topochemistry,
Catalysis. B-9

Abs Jour: Referat. Zhurnal Khimii, No 2, 1958, 3844.

Author : V.A. Pozdyshev, Yu. A. Pentin, V.M. Tatevskiy.
Inst : Academy of Sciences of USSR.
Title : Kinetics of Rotamerism Reactions.

Orig Pub: Dokl. AN SSSR, 1957, 114, No 3, 583-585.

Abstract: The activation energy $E(\text{act})$ of the reaction cis-isomerism $\leftarrow$ trans-isomerism of $\text{C}_3\text{H}_7\text{Cl}$ was found to be equal to 4800 cal per mole based on the study of the reaction kinetics of $\text{C}_3\text{H}_7\text{Cl}$ rotamerism in solid state. Rotamerism was observed spectroscopically by the intensity decrease of the band 1310 cm^{-1} of the outer deformation vibration of the group CH_2 . Should the magnitude of the height difference of potential wells, determined by the temperature dependence of the relative band intensity in the infrared

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5(3), 5(4)

AUTHORS: Pozdyshev, V. A., Levin, E. S.

SO7/75-14-1-26/32

TITLE: The Quantitative Determination of the Three Isomers of Nitrochlorobenzene ~~When Examined Together~~ / Infrared Absorption Spectra (Kolichestvennoye opredeleniye trekh izomerov nitrokhlorbenzola v ikh smesi pri pomoshchi infrakrasnykh spektrov pogloshcheniya)

PERIODICAL: Zhurnal analiticheskoy khimii, 1959, Vol 14, Nr 1, pp 128-132 (USSR)

ABSTRACT: Technical nitrochlorobenzene, the primary product of the nitration of chlorobenzene, is a mixture of o- and p-isomers, in a varying ratio, with a low content of m-isomers. In the present paper a method is elaborated for the direct determination of the m- and p-isomer on the basis of the infrared absorption spectra. The o-nitrochlorobenzene content results from the difference. The spectra are recorded on the single-beam spectrometer IKS-11. The technical data of the apparatus and the working conditions for investigations are given in detail. Carbon tetrachloride was used as solvent for the 3 isomers. The infrared absorption spectra of the three compounds investigated are, like the spectrum of the solvent,

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The Quantitative Determination of the Three Isomers
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Infrared Absorption Spectra

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shown by figures. The spectra of the m- and o-isomer are characterized by narrow intense bands at 1063 cm^{-1} and 1053 cm^{-1} , which are lacking in the spectrum of the p-isomer. In the spectrum of the latter isomer there is, instead, a very intense and characteristic band at 533 cm^{-1} . In the spectrum of the m-isomer there is a band at 917 cm^{-1} , which, though not very intense, nevertheless may serve the purpose of characterizing the m-isomer, as the two other isomers do, not absorb at all in this domain. Also the band at 879 cm^{-1} is very characteristic of the m-isomer. These differences in the spectra of the 3 isomers suffice in order to distinguish them in a mixture. For quantitative determination the characteristic band of the p-isomer at a frequency of 533 cm^{-1} is especially well suited because in this domain the other isomers do not absorb. For the determination of the m-isomer the band is unfortunately not intense enough at 917 cm^{-1} . Therefore, the band at 879 cm^{-1} is used, although this entails

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the danger of its being influenced by the bands of the o- and p-isomers at 848 and 846 cm^{-1} , which are in close vicinity to it. By narrowing the width of the gap to 4 cm^{-1} it was possible to resolve the m-isomer bands at 879 and 867 cm^{-1} . It was found that with an m-isomer content of 0.5 - 3% in the mixture, the error caused by superposition by the bands of the two other isomers does not exceed 10% (relatively). In the case of a higher m-isomer content the error is caused only by faults of the measuring device and amounts, on the average, to 1%. On the basis of these bands determination of the m- and p-isomer in mixtures is possible. The gauging curve for the determination of p-isomers is given in the paper. There are 7 figures and 7 references, 3 of which are Soviet.

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy institut
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Moskva (State Scientific Research Institute for Organic
Intermediate Products and Dyes imeni K. Ye. Voroshilov, Moscow)

Card 3/4

POZDYSHEV, V.A.; LEVIN, E.S.

Quantitative determination of the three isomers of chloro-
nitrobenzene in mixture by means of infrared absorption spectra.
Zhur.anal.khim. 14 no.1:128-132 Ja-F '59. (MIRA 12:4)

1. K.Ye.Voroshilov State Scientific Research Institute of
Organic Intermediates and Dyestuffs.
(Benzene--Spectra)

20-114-3-36/60

AUTHORS: Pozdyshev, V. A., Pentin, Yu. A., Tatevskiy, V. M.

TITLE: On the Kinetics of Reverse Isomerization Reaction (O kinetike reaktsii povorotnoy izomerizatsii)

PERIODICAL: Doklady Akademii Nauk SSSR, 1957, Vol. 114, Nr 3, pp 583-585 (USSR)

ABSTRACT: The potential barrier of the mutual transformation of the reverse isomers (transisomers or rotational isomers) of the molecules of the type of 1,2-dichloroethane, $CXY_2 - CXY_2$, can be represented by a formula found by Wolkenstein. Figure Nr 1 of the paper under review shows the shape of this function (curve Nr 1) for the transformation in the gaseous phase. In order to be able completely to determine the potential function, the three parameters V_0 , V_1 , V_2 would have to be known. This is necessary not only for the formation of a general concept on the nature of the phenomenon of retarded internal rotation and of the reverse isomerism of molecules, but also for the purpose of computing their thermodynamic functions. There exist no direct methods for the determination of the constants V_0 , V_1 of the retarding potential. In general, there was determined for the molecules of the type of 1,2-dichloro-

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ethane only a certain effective value of the retarding potential, for instance obtained from comparing the entropy value obtained on the basis of the third thermodynamic law and the value that had been computed under assumption of the free internal rotation or under simplified assumptions on the shape of the barrier ($V_2 = 0$, $V_1 = V$). It is possible to determine accurately, by means of experiments, one of the above parameters (V_2). The authors of the paper under review attempt to demonstrate that in some cases it is also possible to determine the second parameter (V_1) by experiments. The value of $V_{1\text{gas}}$ can be measured with relatively high accuracy during investigation of the process of isomerization in the solid phase. Knowledge of the values V_1 and V_2 obviously also makes it possible to determine the third parameter of the potential curve V_0 , if the value of the effective barrier is obtained from comparing the experimental entropy value and the value computed statistically under assumption of the free internal rotation. Thus the method of investigating the reaction kinetics of reverse isomerization as presented for the first time in the paper under review opens new and interesting prospects for research in the field of the phenomena

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of the retarded integral rotation and of the reverse isomerism.
There are 2 figures and 2 references, which are Slavic.

PRESENTED: December 4, 1956, by A. N. Frumkin, Member of the Academy

SUBMITTED: August 1, 1956

Card 3/3

ZAYTSEV, B.Ye.; POZDYSHEV, V.A.; KOLCKOLOV, B.N.

Frequencies and integral intensities of absorption bands of carbonyl groups in the infrared spectra of dichloroanthraquinone isomers. Zhur. prikl. spekt. 2 no.6:554-557 Je '65. (MIRA 18:7)

POZDYSHEV, V.A.; TODRES-SELEKTOR, Z.V.; EFROS, L.S.

Infrared absorption spectra of piaseulenole and of a number of its derivatives. Zhur.ob.khim. 30 no.8:2551-2555 Ag '60.

(MIRA 13:8)

1. Gosudatstvennyy nauchno-issledovatel'skiy institut organicheskikh poluproduktov i krasiteley (NIOPIK), Moskva.

(Benzoselenadiazole--Spectra)